DEFENSE LOGISTICS AGENCY MILITARY CONSTRUCTION, DEFENSE-WIDE FY 2004 BUDGET ESTIMATES

(\$ in Thousands)

	(\$ III 1 Housanus)		NI/	
Page	Authorization	Approp.	New/ Current	
State/Installation/Project No.	<u>Request</u>	Request	Mission	
Alaska Eielson Air Force Base Replace Hydrant Fuel System	17,000	17,000	C	30
Florida Eglin Air Force Base, Auxiliary Field 3 Replace Jet Fuel Storage Complex	4,800	4,800	С	33
Eglin Air Force Base, Auxiliary Field 9 Replace Fuel Pier	4,100	3,500	С	36
Hawaii Hickam Air Force Base Replace Hydrant Fuel System	14,100	14,100	С	39
Nebraska Offutt Air Force Base Replace Hydrant Fuel System	13,400	13,400	C	42
Nevada Nellis Air Force Base Hydrant Fuel System	12,800	12,800	С	45
Pennsylvania Defense Distribution Depot Susquehanna, New Cumberland Replace General Purpose Warehouse	27,700	27,000	С	48
Texas Laughlin Air Force Base Replace Truck Fuel Loading Facility	4,688	4,688	C	51
Virginia Langley Air Force Base Replace Hydrant Fuel System	13,000	13,000	С	54
Washington McChord Air Force Base Bulk Fuel Storage Tanks	8,100	8,100	С	57

Total 119,688 118,388

				~~~~		000135		2. DATE	
1. COMPONENT	F"	Y 2004 MILITA	ARY CON	STRUCTI	ON PK	OGRAM		2. DATE	FEB 03
DEFENSE (DLA)	ATION	4 003004.300						5 AREA (	CONSTRUCTION
3. INSTALLATION AND LOC EIELSON AIR FORCI		4. COMMAND						COST II	
ALASKA	,	<b>D</b> ]	EFENSE I	LOGISTIC	CS AGE	NCY			2.02
6. PERSONNEL STRENGTH:	PER	MANENT		STUDENTS		SU	JPPORTE	D	
Tenant of USAF	OFFICER E	ENLIST CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A.									
В.									
		A	. INVENTO	ORY DATA (	\$000)				
A. TOTAL ACREAGE									
B. INVENTORY TOTAL A	S OF								
C. AUTHORIZATION NOT	YET IN INVE	ENTORY							8,800
D. AUTHORIZATION REQ	UESTED IN T	HIS PROGRAM							17,000
E. AUTHORIZATION INCI	LUDED IN FO	LLOWING PROG	RAM						
F. PLANNED IN NEXT TH	REE YEARS								1,600
G. REMAINING DEFICIEN	CY								
H. GRAND TOTAL									27,400
8. PROJECTS REQUESTED I	N THIS PROGR	AM:							
CATEGORY PROJECT		PROJEC	CT TITLE			COST		DESIGN	STATUS
CODE NUMBER 121 DESC0402		Replace Hydra	ant Enal Quet	tom		(\$000) 17,000		START 02/02	COMPLETE 07/03
121 DESCU <del>1</del> 02		Replace Hyur	illi Fuel Sys	tem		17,000		02/02	07/03
9. FUTURE PROJECTS:									
CATEGORY		PROJECT TITL	Е			COST			
CODE						(\$000)			
126	Fuel Ra	ailcar Unload Shel	ter (FY 08)			1,600			
			(= = = = )			-,000			
10. MISSION OR MAJOR FUNC	TION:								
These fuel facilities provide e other contingency operations.		orage and distribu	tion systems	s to support	the missi	ions of assigne	ed units o	of Eielson A	ir Force Base and
other contingency operations.									
Deferred sustainment, restora	ition, and mode	ernization of fuel	facilities at t	his location	is \$2.3 n	nillion			
11. OUTSTANDING POLLUTI	ON AND SAFET	TY DEFICIENCIES:							
A. AIR POLLUTION							0		
B. WATER POLLUTION	)N						0		
C. OCCUPATIONAL S		HEALTH					0		

1. Component DEFENSE (DLA)	2004 MILITARY CONS	TRUC	TION	PROJE	CCT DATA	2. Date FEB 03
3. Installation and Location	n		4. Pro	ject Title		
EIELSON AIR FORCE	BASE, ALASKA		R	EPLACE	HYDRANT FUI	EL SYSTEM
5. Program Element	6. Category Code	7. Pro	ject Nu	mber	8. Project Cost (\$0	00)
702976S	121		DESC04	102	17,0	000
	9. COST I	ESTIMA'	TES		,	
	Item		U/M	Quantity	y Unit Cost	Cost (\$000)
PRIMARY FACILITIES			-	-	-	12,170
	D FUEL PIPING (16 OUTLETS)		LS	-	-	(5,475)
	KS (3,180 kL / 20,000 BARRELS)		LS	-	-	(2,600)
			LS	-	-	(3,000)
	DRANT TRUCK CHECKOUT (2 ST		LS	-	-	(435)
	ORAGE SHELTER	,	LS	-	-	(660)
SUPPORTING FACILITIES			-	-	-	3,040
SITE PREPARATION & IN	MPROVEMENTS		LS	-	-	(410)
MECHANICAL/ELECTRIC	CAL UTILITIES		LS	-	-	(1,350)
DEMOLITION			LS	-	-	(685)
GENERATOR AND ENCL	OSURE		LS	-	-	(325)
OPERATIONS & MAINTE	ENANCE SUPPORT INFORMATIO	N	LS	-	-	(270)
				-	-	15,210
CONTINGENCY (5% )			-	-	-	<u>761</u>
	COST		-	-	-	15,971
SUPERVISION, INSPECTION	ON & OVERHEAD (SIOH) (6.5%).	•••••	-	-	-	<u>1,038</u>
				-	-	17,009
TOTAL REQUEST (ROUNI	DED)		-	-	-	17,000

10. Description of Proposed Construction: Provide one 152 liter-per-second (2,400 gallon-per-minute) pumphouse and hydrant fuel system with 16 fuel outlets, two 1,590 kiloliter (kL) (10,000-barrel) fuel tanks, truck fillstand, hydrant hose truck checkout station, pantographs, and pantograph storage shelter. Work includes cathodic protection systems, fire hydrants, fire detection, utility and sewer connections, and artic emergency generator. Relocate supply and return fuel lines underground. Provide perimeter fencing, area lighting, and access roads. Demolish three existing pumphouses and associated underground storage tanks and hydrant outlets. Provide operations and maintenance support information.

11. REQUIREMENT: 41 Outlets (OL) ADEQUATE: 25 OL SUBSTANDARD: 9 OL

PROJECT: Replace three failing, obsolete hydrant fuel systems with a modern pressurized hydrant fuel system. (C)

REQUIREMENT: There is a need to construct a functioning hydrant fuel system for wide-bodied aircraft providing air bridge support of strategic en route mobility requirements and operations plans in the Pacific. This system will replace three failed and obsolete systems built in the 1950s. The Pacific Air Forces and Air Mobility Command have identified a need for 41 hydrant fueling outlets at Eielson AFB to support operations and contingency plans. Recent projects constructed hydrant systems with 25 outlets. This project satisfies the remaining requirement. A companion Air Force MILCON project to expand the aircraft parking ramp for strategic mobility aircraft is being programmed in the Air Force's FY 04 program.

CURRENT SITUATION: The existing hydrant systems have deteriorated beyond repair due to corrosion and mechanical and electrical failures in this harsh artic environment. Based on obsolete technology, these 50-year-old systems are a hazard to operate due to system failures that call into question the integrity of required explosion-proof electrical systems and other safety devices. Use of refueler trucks as an alternative is not practicable due to the severe winter conditions, which cause these trucks to freeze up and become inoperable after just three hours of use. In addition, this slow, manpower-intensive operation reduces the base's ability to meet its demanding refueling requirements and aircraft turnaround times.

FY 2004 MILITARY CONSTRUCTION PROJECT DATA							
3. Installation and Location: 4. Project Title							
EIELSON AIR FORCE BASE, ALASKA REPLACE HYDRANT FU							
6. Category Code	7. Pro	ject Number	8. Project Cost (\$0	000)			
702976S 121 DESC0402 17,0							
MPACT IF NOT PROVIDED: If this project is not provided, air base operations will continue to be hampered by							
	SE, ALASKA  6. Category Code  121	SE, ALASKA  6. Category Code 121 7. Pro	SE, ALASKA  6. Category Code 121  4. Project Title REPLAC  7. Project Number DESC0402	SE, ALASKA  4. Project Title REPLACE HYDRANT FUR  6. Category Code 121  7. Project Number DESC0402  8. Project Cost (\$0 17,00000000000000000000000000000000000			

delays in refueling wide-bodied aircraft. Reliance on refueler trucks will increase sortie turnaround times, exhaust equipment and manpower, and create logistical bottlenecks during contingency operations.

ADDITIONAL: An analysis of the status quo versus replacement construction concluded that replacement of the existing system is the only feasible alternative to accomplish the refueling mission. This project meets all applicable DoD criteria. The Director, Defense Logistics Agency, certifies that this facility has been considered for joint-use potential. Mission requirements, operational considerations, and location are incompatible with use by other components

# 12. Supplemental Data:

#### A. Estimated Design Data:

Status

- (b) Parametric Cost Estimate Used to Develop Costs (Yes/No).....NO
- (c) Percent Completed as of January 2003......35
- (d) Date 35 Percent Completed......07/02 (e) Date Design Complete......07/03
- (f) Type of Design Contract......Design/Bid/Build

#### 2. Basis:

- (a) Standard or Definitive Design:.....YES
- (b) Date Design was Most Recently Used:......07/02
- 3. Total Cost (c) = (a)+(b) or (d)+(e) (\$000)
  - (a) Production of Plans and Specifications......720

  - (e) In-House......840

- A. Equipment associated with this project that will be provided from other appropriations: None

1. COMPONENT	F	Y 2004 MILITA	ARY CON	STRUCTI	ON PR	OGRAM		2. DATE	FEB 03
DEFENSE (DLA)  3. INSTALLATION AND LOC	YATION	4. COMMAND						5. AREA 0	CONSTRUCTION
EGLIN AIR FORCE B				OCICTIO	ng A CIE	NOV		COST I	
AUXILIARY FIELD 3 FLORIDA	(DUKE),	יט	EFENSE I	AUGISTIC	S AGE	NCY			0.82
6. PERSONNEL STRENGTH:	PER:	MANENT		STUDENTS		S	UPPORTE	D	
Tenant of USAF	OFFICER E	ENLIST CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. B.									
		A	INVENTO	ORY DATA (	\$000)				
A. TOTAL ACREAGE		A	. INVENTO	JKI DAIA (	<b>ФООО</b> )				
B. INVENTORY TOTAL A	S OF								
C. AUTHORIZATION NOT	YET IN INVE	ENTORY							
D. AUTHORIZATION REQ	UESTED IN T	THIS PROGRAM							4,800
E. AUTHORIZATION INCI	LUDED IN FO	LLOWING PROG	GRAM						
F. PLANNED IN NEXT TH	REE YEARS								
G. REMAINING DEFICIEN	ICY								
H. GRAND TOTAL									4,800
8. PROJECTS REQUESTED I	IN THIS PROGR	AM:							
CATEGORY PROJECT CODE NUMBER		PROJEC	CT TITLE			COST (\$000)		DESIGN START	STATUS COMPLETE
124 DESC0406		Replace Jet Fuel	Storage Co	mplex		4,800		03/02	10/03
9. FUTURE PROJECTS: CATEGORY CODE		PROJECT TITL	E			COST (\$000)			
		None							
10. MISSION OR MAJOR FUNC These fuel facilities provide e Base and other contingency o Deferred sustainment, restora	essential fuel sto operations.						ed units o	of Duke Fie	ld, Eglin Air Force
11. OUTSTANDING POLLUTI	ON AND SAFET	ΓΥ DEFICIENCIES:	:						
A AID DOLL UTION							0		
A. AIR POLLUTION B. WATER POLLUTION	ON						0		
C. OCCUPATIONAL S		HEALTH					0		

(DLA)  5. Installation and L		04 MILITARY CON	NSTRUC	TION	PROJ	ECT	DATA	2. Date FEB 03
. Installation and L								
	ocation			4. Proi	ect Title	2		<u> </u>
ATLIN AIK PUKU		<b>AUXILIARY FIELD 3</b>					EL CTODA	CE COMDLEX
DUKE), FLORID				KEPL	ACE J	EIFU	EL STOKA	GE COMPLEX
. Program Element	11	6. Category Code	7 Pro	ject Nui	mher	8 Pro	ject Cost (\$	000)
O				•		0.110	=	
702976S		124		ESC04	06		4,8	300
		9. COS	T ESTIMA	<u>res</u>				
		Item		U/M	Quan	tity	Unit Cost	Cost (\$000)
RIMARY FACILITII	ES			-	-		-	2,559
		94 kL / 5000 BARRELS)		LS	-		-	(1,154)
		STATION (2 STOPS ÉAC		LS	-		-	(400)
PUMP		`	,	LS	-		-	(490)
ΓΑΤΙΟΝ		• • • • • • • • • • • • • • • • • • • •		LS	-		-	(445)
PERATIONS BUIL	LDING (186	$5 \text{ M}^2 / 2000 \text{ SF})$		LS	-		-	(70)
REFUELER PARKI	NG (6 POSI	TIONS)						
				-	-		-	1,745
		OVEMENTS		LS	-		-	(1,015)
		UTILITIES		LS	-		-	(345)
				LS	-		-	(95)
		RE		LS	-		-	(55)
FIRE PROTECTION	WATER T	ANK AND PUMPHOUSE.		LS	-		-	(235)
		• • • • • • • • • • • • • • • • • • • •		-	-		-	4,304
ONTINGENCY (5%				-	-		-	215
•••••								
CELL ( A EED CONTE	A CTT COCT			-	-		-	4,519
				-	-		-	<u>271</u>
UPER VISION, INSE	ECTION &	OVERHEAD (SIOH) (6.09	%)					4,790
OTAL DECLIEST				_	-		-	4,790
		······································		-	-		-	4,000
OTAL REQUEST (F	(OUNDED)	'	• • • • • • • • • • • • • • • • • • • •					
ank gauging, and oth uel fillstands, comme athodic protection, fi enerator. Provide a	er standard ercial fuel tra ire hydrants 454-kL (120	es and basins, overfill protectank appurtenances. Construck unloading stations, refugifier detection, utility and sept. 20,000-gallon) steel water tand-gallon aboveground tanks	ruct a 38 liter eler truck pa ewer connec nk and pump	r-per-sec orking ar tions, pe for fire-	ond (600 ea, and f rimeter f fighting	gallon- uels ope encing, purpose	per minute) per mi	bump station, truck ing. Work include access roads, and the existing fuel

11. REQUIREMENT: 794 kL ADEQUATE: 0 kL SUBSTANDARD: 454 kL

PROJECT: Replace a jet fuel storage complex. (C)

REQUIREMENT: There is a need to replace Duke Field's jet fuel storage complex, used by units of both active duty and Air Force Reserve Command Special Operations Forces. This 60-year-old facility poses an environmental hazard and is not in compliance with Florida environmental regulations. The age, condition of existing facilities, and congested site location make restoration and modernization of the existing fuel facilities impractical. This project is categorized as a Class 1 (fix non-compliance) environmental project.

CURRENT SITUATION: The existing fuel storage and handling facilities are inadequate and have been cited several times by the Florida Department of Environmental Management because the storage tanks lack leak detection systems and dike membrane containment liners; moreover, the fuel truck loading, unloading, and parking areas lack secondary containment. This fuel complex is located in the middle of the base's administrative area. Because of safety concerns at this congested location, roads in the vicinity of the complex must be closed during fuel delivery and refueler truck loading operations. Obsolete equipment extends the time needed to resupply the storage tanks and hampers fuel transfer rates to refueler trucks, which adversely affects operations and training. Due to past tank spills, the site is currently undergoing soil and groundwater remediation as part of an Installation Restoration Program (IRP) project.

1. Component DEFENSE (DLA)	FY 200	2. Date FEB 03							
3. Installation and Location: 4. Project Title									
EGLIN AIR FOR	CE BASE,	AUXILIARY FIELD 3 (D	UKE),	REPLACE J	ET FUEL STORA	AGE COMPLEX			
FLORIDA	ŕ	,							
5. Program Elemen	t	6. Category Code	7. Pro	ject Number	8. Project Cost (\$	000)			
702976S 124 DESC0406 4,8					300				
IMPACT IF NOT	PROVIDED	: If this project is not prov	ided, the	existing deteri	orating fuel facility	will continue to			
IMPACT IF NOT	702976S 124 DESC0406 4,800  IMPACT IF NOT PROVIDED: If this project is not provided, the existing deteriorating fuel facility will continue to pass an environmental risk with the potential for tank closure by regulators for failure to comply with environmental.								

IMPACT IF NOT PROVIDED: If this project is not provided, the existing deteriorating fuel facility will continue to pose an environmental risk with the potential for tank closure by regulators for failure to comply with environmental standards. Since these tanks provide the only fuel storage at Duke Field, closure would result in severe mission impact for assigned units.

ADDITIONAL: An analysis of restoring the existing facilities versus the proposed new construction concluded that construction at a new site was the only feasible alternative to accomplish the fueling mission. This project meets all applicable DoD criteria. The Director, Defense Logistics Agency, certifies that this facility has been considered for joint-use potential. Mission requirements, operational considerations, and location are incompatible with use by other components

#### 12. Supplemental Data:

# A. Estimated Design Data:

1	<b>C</b> , ,
1.	Status:
1.	Diaius.

(a)	Date Design Started	03/02
(1.)	Demonstrate Control Estimate Health Describe Control (World)	NIO

- (b) Parametric Cost Estimate Used to Develop Costs (Yes/No)......NO
- (c) Percent Completed as of January 2003......35
- (d) Date 35 Percent Completed......07/02

#### 2. Basis:

- (a) Standard or Definitive Design: YES
- (b) Date Design was Most Recently Used:.....07/02
- 3. Total Cost (c) = (a)+(b) or (d)+(e) (\$000)

(a)	Production of Plans	and Specifications	175
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- (b) All Other Design Costs......115
- (c) Total......290
- (e) In-House......60

- A. Equipment associated with this project that will be provided from other appropriations: None

**UNTIL EXHAUSTED** 

A. INVENTORY DATA (\$000)  A. TOTAL ACREAGE  B. INVENTORY TOTAL AS OF  C. AUTHORIZATION NOT YET IN INVENTORY  D. AUTHORIZATION REQUESTED IN THIS PROGRAM  E. AUTHORIZATION REQUESTED IN THIS PROGRAM  F. PLANNED IN NEXT THREE YEARS  G. REMAINING DEFICIENCY  H. GRAND TOTAL  8. PROJECTS REQUESTED IN THIS PROGRAM:  C. CATEGORY PROJECT  PROJECT TITLE  COST DESIGN STATUS  S. AREA CONSTRUCTION COST INDEX  S. AREA CONSTRUCTION COST INDEX  D. A. COMMAND  D. A. COMMAND  S. AREA CONSTRUCTION COST INDEX  D. A. DEFICENCY  S. AREA CONSTRUCTION COST INDEX  SUPPORTED  SUPPORTED  S. AREA CONSTRUCTION COST INDEX  SUPPORTED  SUPPORTED  S. AREA CONSTRUCTION COST INDEX  S. AREA CONSTRUCTION COST INDEX  SUPPORTED  S. AREA CONSTRUCTION COST I	1. COMPONENT DEFENSE (DLA)	]	FY 2004 MILITARY CONSTRUCTION	PROGRAM	2. DATE	FEB 03
Tenant of USAF OFFICER ENLIST CIVIL OFFICER ENLIST CIVIL OFFICER ENLIST CIVIL OFFICER ENLIST CIVIL TOTAL A. B.  A. INVENTORY DATA (\$000)  A. TOTAL ACREAGE B. INVENTORY TOTAL AS OF C. AUTHORIZATION NOT YET IN INVENTORY D. AUTHORIZATION REQUESTED IN THIS PROGRAM E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM F. PLANNED IN NEXT THREE YEARS G. REMAINING DEFICIENCY H. GRAND TOTAL  8. PROJECTS REQUESTED IN THIS PROGRAM:  CATEGORY PROJECT PROJECT PROJECT TITLE CODE NUMBER Replace Fuel Pier  PROJECT TITLE COST DESIGN STATIS COMPLETING (\$000) START COMPLETING (\$000) 10:03  9. FUTURE PROJECTS: CODE PROJECT TITLE COST OSSION OF MAJOR FUNCTION: These fuel facilities provide essential fuel storage and distribution systems to support the missions of assigned units of Hurlburt Field, Eglin Air Proceeds as and other contingency operations.  Deferred sustainment, restoration, and modernization of fuel facilities at this location is \$252,000.  11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:  A. AIR POLLUTION  0  B. WATER POLLUTION  0  6  B. WATER POLLUTION  0  6  B. WATER POLLUTION  0  FINANCE POLLUTION  1  FINANCE POLL	3. INSTALLATION AND LOC EGLIN AIR FORCE I AUXILIARY FIELD 9	BASE,				
A. INVENTORY DATA (\$000)  A. TOTAL ACREAGE  B. INVENTORY TOTAL AS OF  C. AUTHORIZATION NOT YET IN INVENTORY  D. AUTHORIZATION REQUESTED IN THIS PROGRAM  E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM  F. PLANNED IN NEXT THREE YEARS  G. REMAINING DEFICIENCY  H. GRAND TOTAL  8. PROJECT SREQUESTED IN THIS PROGRAM:  CATEGORY PROJECT  CODE NUMBER PROJECT TITLE COST DESIGN STATUS COMPLETI  151 DESCO305 Replace Fuel Pier 4,100 12/00 10/03  9. FUTURE PROJECTS:  CATEGORY PROJECT STITLE COST COST  CODE NOWN MAJOR FUNCTION:  None  10. MISSION OR MAJOR FUNCTION:  These fuel facilities provide essential fuel storage and distribution systems to support the missions of assigned units of Hurlburt Field, Eglin Air Force Base and other contingency operations.  Deferred sustainment, restoration, and modernization of fuel facilities at this location is \$252,000.  11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:  A. AIR POLLUTION  B. WATER POLLUTION  O  B. WATER POLLUTION  O	6. PERSONNEL STRENGTH:	PE	RMANENT STUDENTS	SUPPOR	RTED	
A. TOTAL ACREAGE  B. INVENTORY TOTAL AS OF  C. AUTHORIZATION NOT YET IN INVENTORY  D. AUTHORIZATION REQUESTED IN THIS PROGRAM  E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM  F. PLANNED IN NEXT THREE YEARS  G. REMAINING DEFICIENCY  H. GRAND TOTAL  A PROJECT REQUESTED IN THIS PROGRAM:  CATEGORY PROJECT  CODE NUMBER (\$000) START COMPLETI  151 DESC0305 Replace Puel Pier 4,100 12/00 10/03  9. FUTURE PROJECTS:  CATEGORY PROJECT TITLE  COST OBJOIN STATUS  ON THE COMPLETI  CONTENSION OR MAJOR FUNCTION:  These fuel facilities provide essential fuel storage and distribution systems to support the missions of assigned units of Hurlburt Field, Eglin Air Force Base and other contingency operations.  Deferred sustainment, restoration, and modernization of fuel facilities at this location is \$252,000.  11. OUTSTANDING POLLUTION O 0  B. WATER POLLUTION O 0	A.	OFFICER	ENLIST CIVIL OFFICER ENLIST CIV	'IL OFFICER ENLI	ST CIVIL	TOTAL
B. INVENTORY TOTAL AS OF C. AUTHORIZATION NOT YET IN INVENTORY D. AUTHORIZATION REQUESTED IN THIS PROGRAM 4 E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM F. PLANNED IN NEXT THREE YEARS G. REMAINING DEFICIENCY H. GRAND TOTAL  8. PROJECT SEQUESTED IN THIS PROGRAM:  CATEGORY PROJECT PROJECT PROJECT TITLE (S000) START COMPLETE 151 DESCO305 Replace Fuel Pier 4,100 12/00 10/03  9. FUTURE PROJECTS: CODE None  None  O. MISSION OR MAJOR FUNCTION: These fuel facilities provide essential fuel storage and distribution systems to support the missions of assigned units of Hurlburt Field, Eglin Air Force Base and other contingency operations.  Deferred sustainment, restoration, and modernization of fuel facilities at this location is \$252,000.  11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:  A. AIR POLLUTION  B. WATER POLLUTION  0  10. WAS IN THE POLLUTION OR AD SAFETY DEFICIENCIES:  A. AIR POLLUTION OR MAJOR FUNCTION:  B. WATER POLLUTION OR OR ADDROVED OR ADDRO			A. INVENTORY DATA (\$000)			
C. AUTHORIZATION NOT YET IN INVENTORY  D. AUTHORIZATION REQUESTED IN THIS PROGRAM  E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM  F. PLANNED IN NEXT THREE YEARS  G. REMAINING DEFICIENCY  H. GRAND TOTAL  8. PROJECTS REQUESTED IN THIS PROGRAM:  CATEGORY PROJECT PROJECT PROJECT TITLE  COST DESIGN STATUS  (\$000) START COMPLETI  151 DESC0305 Replace Fuel Pier 4,100 12/00 10/03  9. FUTURE PROJECTS:  CATEGORY CODE  None  None  None  O. MISSION OR MAJOR FUNCTION: These fuel facilities provide essential fuel storage and distribution systems to support the missions of assigned units of Hurlburt Field, Eglin Airforce Base and other contingency operations.  Deferred sustainment, restoration, and modernization of fuel facilities at this location is \$252,000.  11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:  A. AIR POLLUTION  B. WATER POLLUTION  O  B. WATER POLLUTION  O  O  O  O  O  O  O  O  O  O  O  O	A. TOTAL ACREAGE					
D. AUTHORIZATION REQUESTED IN THIS PROGRAM  E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM  F. PLANNED IN NEXT THREE YEARS  G. REMAINING DEFICIENCY  H. GRAND TOTAL  8. PROJECTS REQUESTED IN THIS PROGRAM:  CATEGORY PROJECT PROJECT TITLE COST DESIGN STATUS (8000) START COMPLETI 151 DESC0305 Replace Fuel Pier 4,100 12/00 10/03  9. FUTURE PROJECTS: CATEGORY CODE  None  None  None  None  None  10. MISSION OR MAJOR FUNCTION: These fuel facilities provide essential fuel storage and distribution systems to support the missions of assigned units of Hurlburt Field, Eglin Air Force Base and other contingency operations.  Deferred sustainment, restoration, and modernization of fuel facilities at this location is \$252,000.  11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:  A. AIR POLLUTION  B. WATER POLLUTION  O  B. WATER POLLUTION  O  O  O  O  O  O  O  O  O  O  O  O	B. INVENTORY TOTAL A	AS OF				
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM  F. PLANNED IN NEXT THREE YEARS  G. REMAINING DEFICIENCY  H. GRAND TOTAL  8. PROJECTS REQUESTED IN THIS PROGRAM:  CATEGORY PROJECT PROJECT TITLE  COST DESIGN STATUS  CODE NUMBER  G. S000) START COMPLETI  151 DESC0305 Replace Fuel Pier 4,100 12/00 10/03  9. FUTURE PROJECTS:  CATEGORY CODE  None  None  None  None  None  10. MISSION OR MAJOR FUNCTION: These fuel facilities provide essential fuel storage and distribution systems to support the missions of assigned units of Hurlburt Field, Eglin Air Force Base and other contingency operations.  Deferred sustainment, restoration, and modernization of fuel facilities at this location is \$252,000.  11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:  A. AIR POLLUTION  0  B. WATER POLLUTION  0  10. STATUS  COST  (S000)  START  COMPLETI  COST  (S000)  START  COMPLETI  COST  (S000)  11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:  A. AIR POLLUTION  0  0  11. OUTSTANDING POLLUTION  0  12. OUTSTANDING POLLUTION  0  13. OUTSTANDING POLLUTION  0  14. OUTSTANDING POLLUTION  0  15. OUTSTANDING POLLUTION  0  16. OUTSTANDING POLLUTION  0  17. OUTSTANDING POLLUTION  0  18. WATER POLLUTION  0	C. AUTHORIZATION NOT	Γ YET IN INV	/ENTORY			
F. PLANNED IN NEXT THREE YEARS G. REMAINING DEFICIENCY H. GRAND TOTAL  8. PROJECTS REQUESTED IN THIS PROGRAM:  CATEGORY PROJECT PROJECT (S000) START COMPLETING (S000) START C	D. AUTHORIZATION REC	QUESTED IN	THIS PROGRAM			4,10
G. REMAINING DEFICIENCY  H. GRAND TOTAL  8. PROJECTS REQUESTED IN THIS PROGRAM:  CATEGORY PROJECT PROJECT TITLE COST DESIGN STATUS COMPLETIT 151 DESC0305 Replace Fuel Pier 4,100 12/00 10/03  9. FUTURE PROJECTS: CATEGORY CODE  None  None  None  None  10. MISSION OR MAJOR FUNCTION: These fuel facilities provide essential fuel storage and distribution systems to support the missions of assigned units of Hurlburt Field, Eglin Air Force Base and other contingency operations.  Deferred sustainment, restoration, and modernization of fuel facilities at this location is \$252,000.  11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:  A. AIR POLLUTION  0  B. WATER POLLUTION  0	E. AUTHORIZATION INC	LUDED IN FO	OLLOWING PROGRAM			
H. GRAND TOTAL  8. PROJECTS REQUESTED IN THIS PROGRAM:  CATEGORY PROJECT PROJECT TITLE COST DESIGN STATUS COMPLETI 151 DESC0305 Replace Fuel Pier 4,100 12/00 10/03  9. FUTURE PROJECTS: CATEGORY PROJECTS: CATEGORY OND None  None  None  10. MISSION OR MAJOR FUNCTION: These fuel facilities provide essential fuel storage and distribution systems to support the missions of assigned units of Hurlburt Field, Eglin Air Force Base and other contingency operations.  Deferred sustainment, restoration, and modernization of fuel facilities at this location is \$252,000.  11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:  A. AIR POLLUTION 0 B. WATER POLLUTION 0	F. PLANNED IN NEXT TH	IREE YEARS	i e			
8. PROJECTS REQUESTED IN THIS PROGRAM:  CATEGORY PROJECT PROJECT TITLE COST DESIGN STATUS (8000) START COMPLETI 151 DESC0305 Replace Fuel Pier 4,100 12/00 10/03  9. FUTURE PROJECTS: CATEGORY CODE NOME COST (8000)  None  None  None  O. MISSION OR MAJOR FUNCTION: These fuel facilities provide essential fuel storage and distribution systems to support the missions of assigned units of Hurlburt Field, Eglin Air Force Base and other contingency operations.  Deferred sustainment, restoration, and modernization of fuel facilities at this location is \$252,000.  11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:  A. AIR POLLUTION 0  B. WATER POLLUTION 0	G. REMAINING DEFICIEN	NCY				
CATEGORY PROJECT ON THE CODE NUMBER (\$000) START COMPLETI 151 DESC0305 Replace Fuel Pier 4,100 12/00 10/03  9. FUTURE PROJECTS: CATEGORY CODE PROJECTS: CATEGORY CODE PROJECTS:  None  None  0. MISSION OR MAJOR FUNCTION: These fuel facilities provide essential fuel storage and distribution systems to support the missions of assigned units of Hurlburt Field, Eglin Air Force Base and other contingency operations.  Deferred sustainment, restoration, and modernization of fuel facilities at this location is \$252,000.  11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:  A. AIR POLLUTION 0  B. WATER POLLUTION 0	H. GRAND TOTAL					4,10
CODE NUMBER 151 DESC0305 Replace Fuel Pier 4,100 12/00 10/03  9. FUTURE PROJECTS: CATEGORY PROJECT TITLE COST (\$000)  None  None  None  None  1. MISSION OR MAJOR FUNCTION: Chese fuel facilities provide essential fuel storage and distribution systems to support the missions of assigned units of Hurlburt Field, Eglin Air Force Base and other contingency operations.  Deferred sustainment, restoration, and modernization of fuel facilities at this location is \$252,000.  11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:  A. AIR POLLUTION 0  B. WATER POLLUTION 0	8. PROJECTS REQUESTED	IN THIS PROG	FRAM:			
9. FUTURE PROJECTS: CATEGORY CODE  PROJECT TITLE  None  None  None  O. MISSION OR MAJOR FUNCTION: These fuel facilities provide essential fuel storage and distribution systems to support the missions of assigned units of Hurlburt Field, Eglin Air Force Base and other contingency operations.  Deferred sustainment, restoration, and modernization of fuel facilities at this location is \$252,000.  11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:  A. AIR POLLUTION  0  B. WATER POLLUTION  0			PROJECT TITLE			STATUS COMPLETE
CATEGORY CODE  None  Non	151 DESC0305		Replace Fuel Pier	4,100	12/00	10/03
10. MISSION OR MAJOR FUNCTION:  These fuel facilities provide essential fuel storage and distribution systems to support the missions of assigned units of Hurlburt Field, Eglin Air Force Base and other contingency operations.  Deferred sustainment, restoration, and modernization of fuel facilities at this location is \$252,000.  11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:  A. AIR POLLUTION  0  B. WATER POLLUTION  0	CATEGORY		PROJECT TITLE			
These fuel facilities provide essential fuel storage and distribution systems to support the missions of assigned units of Hurlburt Field, Eglin Air Force Base and other contingency operations.  Deferred sustainment, restoration, and modernization of fuel facilities at this location is \$252,000.  11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:  A. AIR POLLUTION  B. WATER POLLUTION  0			None			
A. AIR POLLUTION 0 B. WATER POLLUTION 0	These fuel facilities provide of Force Base and other conting	essential fuel s gency operatio	ns.		ts of Hurlburt I	Field, Eglin Air
B. WATER POLLUTION 0	11. OUTSTANDING POLLUT	ION AND SAFI	ETY DEFICIENCIES:			
	A. AIR POLLUTION			0		
C. OCCUPATIONAL SAFETY AND HEALTH 0				0		
	C. OCCUPATIONAL	SAFETY ANI	D HEALTH	0		

DEFENSE (DLA)  FY 2004 MILITARY CONSTRUCTION PROJECT DATA							2. Date FEB 03	
3. Installation and L		A LIVIT LA DAZ EJET D. O.		4. Pro	ject Title			
(HURLBURT), FI		AUXILIARY FIELD 9			REI	PLACE FUEL P	PIER	
					ımber 8	3. Project Cost (\$0	\$000)	
702976S		151		DESCO:	305 A	Auth Appr	4,100 3,500	
		9. COST	T ESTIMA	TES	l	11	- /	
		Item		U/M	Quantity	Unit Cost	Cost (\$000)	
PRIMARY FACILITI	ES			-	-	-	2,370	
		1		LS	-	-	(125)	
		SHELTER (15M ² / 155 SF).		LS LS	-	-	(2,225) (20)	
SUPPORTING FACII	ITIES			-	-	-	1,290	
		OVEMENTS		LS	-	-	(685)	
		JTILITIES		LS			(40)	
				LS	-		(265)	
DREDGING				LS	-	-	(300)	
SUBTOTAL				-	-	_	3,660	
CONTINGENCY (5%				-	-	-	<u>183</u>	
)							2.042	
ECTIMATED CONTI	) ለ <i>ር</i> ፐ ረርና፣	٦		-	-	-	3,843	
		OVERHEAD (SIOH) (6.0%		-	-	-	231	
				-	-	-	4,074	
SUBTOTAL				-	-	-	-600	
		002 MCON SAVINGS					3,474	
							3,500	
TOTAL REQUEST (I	ROUNDED)							

10. Description of Proposed Construction: Restore a concrete fueling wharf and provide a 200 millimeter (8 inch) fuel pantograph to unload jet fuel from barges. Replace an existing 1,280-meter (4,200-feet) fuel pipeline from wharf to bulk storage with a double-walled carbon-steel carrier/fiberglass-reinforced-plastic containment pipeline with leak detection. Construct a small personnel and storage shelter adjacent to the wharf. Dredge waterway approaches to an average depth of 4.3 meters (14 feet) to accommodate barge berthing and maneuvering. Work includes cathodic protection systems, fire protection, utility and sewer connections, area lighting, pavement repairs, and mooring dolphins. Demolish the existing wooden fuel pier, dolphins, and pipeline.

11. REQUIREMENT: 1,280 meters (M) ADEQUATE: 0 M SUBSTANDARD: 1,280 M

PROJECT: Restore a barge wharf for fuel unloading and replace a deteriorated fuel pipeline. (C)

REQUIREMENT: There is a need to replace a rotting wooden fuel pier, built in 1953, that poses a significant environmental contamination hazard and potential for collapse in a significant storm event (e.g., hurricane). This project restores the concrete wharf at the base of the pier to allow barges to unload fuel by means of a standard marine fuel pantograph directly into a new double-walled pipeline. All required spill containment and leak detection systems will be provided as required by Federal and state environmental regulations. This unloading facility is the primary means of providing fuel to Hurlburt Field in support of operations of the Air Force Special Operations Command, 16th Special Operations Wing, and other tenant organizations.

CURRENT SITUATION: The existing wooden pier and fuel pipeline are 50 years old and in poor condition. The wooden piles have been attacked by marine borers and deteriorated by wave action. The pier and dolphins have been hit on numerous occasions by barges. These conditions are a cause of concern since the fuel pipe, running along the pier deck, is not properly attached to the pier, nor does it have adequate spill containment. Fuel is transferred from barges by a heavy hose manually handled by work crews. This method of transferring fuel poses a potential safety and

environmental hazard. The existing pipeline cannot reliably pass hydrostatic pressure testing, creating an environmental concern 9 bout its future long-term usage.

1. Component	FY 200	2. Date FEB 03					
DEFENSE	11200	FY 2004 MILITARY CONSTRUCTION PROJECT DATA					
(DLA)							
3. Installation and Location: 4. Project Title							
EGLIN AIR FORCE BASE, AUXILIARY FIELD 9 REPLACE FUEL P					IER		
(HURLBURT), F	LORIDA						
5. Program Elemen	t	6. Category Code	7. Pro	ject Number	8. Project Cost (\$0	00)	
7029768	702976S 151		I	DESC0305	Auth	4,100	
			Appr	3,500			
					Auth for Appr	3,500	

IMPACT IF NOT PROVIDED: If this project is not provided, the installation faces a significant risk of losing its primary means of receiving fuel on base. The unloading of fuel from a dilapidated 50-year-old marine fuel terminal increases the risk of a potential catastrophic pier collapse and resultant fuel spill into a pristine Gulf Coast waterway. The alternate means of fuel receipt by commercial truck deliveries is considerably more costly, manpower intensive, and less efficient.

ADDITIONAL: An analysis of commercial truck fuel delivery versus the proposed construction concluded that barge delivery, using a restored wharf and new pipeline, was significantly more cost effective than the use of trucks to accomplish the fueling mission. This project meets all applicable DoD criteria. The Director, Defense Logistics Agency, certifies that this facility has been considered for joint-use potential. Mission requirements, operational considerations, and location are incompatible with use by other components

# 12. Supplemental Data:

#### A. Estimated Design Data:

List	matea Design Dat
1.	Status:

(a) Date Design Started	12/00
(b) Parametric Cost Estimate Used to Develop Costs (Yes/No)	NO
(c) Percent Completed as of January 2003	35
(d) Date 35 Percent Completed	07/01
(e) Date Design Complete	10/03
(f) Type of Design ContractDesign/	Bid/Build

### 2. Basis:

(g)	Standard of Definitive Design:NO	
(h)	Date Design was Most Recently Used:	

3. Total Cost (c) = (a)+(b) or (d)+(e) (\$000)

(a)	Production of Plans and Specifications	150
(b)	All Other Design Costs	100
(c)	Total	250
(d)	Contract	200
(a)	In House	50

4.	Contract Award0	)2/04
----	-----------------	-------

110

None

1. COMPONENT	F	Y 2004 MILITARY CO	NSTRUCTI	ON PRO	OGRAM	2. DATE	
DEFENSE (DLA)	_ ·	I MOUT INTERNATIONS CO.	1011100	101,120			FEB 03
3. INSTALLATION AND LOC		4. COMMAND				5. AREA C	CONSTRUCTION
HICKAM AIR FORCE HAWAII	E BASE,	DEFENSE	LOGISTIC	CS AGE	NCY	COST	1.55
							1.55
6. PERSONNEL STRENGTH:	PER	MANENT	STUDENTS		SUPPORT	ED	
Tenant of USAF	OFFICER E	NLIST CIVIL OFFICER	ENLIST	CIVIL	OFFICER ENLIST	Γ CIVIL	TOTAL
A. B.							
<u> </u>		init/fen/		·+000\			
A. TOTAL ACREAGE		A. INVEN	TORY DATA (	(\$000)			
B. INVENTORY TOTAL AS	S OF						
C. AUTHORIZATION NOT		ENTORY					29,200
D. AUTHORIZATION REQ							14,100
E. AUTHORIZATION INCL							11,100
F. PLANNED IN NEXT TH							
G. REMAINING DEFICIEN							
H. GRAND TOTAL							43,300
8. PROJECTS REQUESTED I	N THIS PROGR	AM:					
CATEGORY PROJECT		PROJECT TITLE			COST	DESIGN	STATUS
CODE NUMBER 121 DESC0401		Replace Hydrant Fuel Sy	stem		(\$000) 14,100	START 03/02	COMPLETE 06/03
		· · · · · · · · · · · · · · · · · · ·			,		
9. FUTURE PROJECTS: CATEGORY					COST		
CODE		PROJECT TITLE			COST (\$000)		
		**					
		None					
10. MISSION OR MAJOR FUNC	TION:						
These fuel facilities provide e other contingency operations.		orage and distribution system	ns to support	the missi	ons of assigned units	of Hickam A	Air Force Base and
			- • • ,•				
Deferred sustainment, restora	ition, and mode	ernization of fuel facilities at	this location	is \$2.6 m	illion.		
11. OUTSTANDING POLLUTION	ON AND SAFET	Y DEFICIENCIES:					
A AID DOLL LITTION					0		
A. AIR POLLUTION B. WATER POLLUTIO	)N				0		
C. OCCUPATIONAL S		HEALTH			0		

1. Component DEFENSE	FY 200	04 MILITARY CONS	STRUC	TION	PROJ	ECT	DATA	2. Date FEB 03
(DLA)				· .				
3. Installation and Location				4. Pro	ject Title			
HICKAM AIR FORCE BASE, HAWAII								EL SYSTEM
5. Program Elemei	ıt	6. Category Code	7. Pro	ject Nu	mber	8. Pr	oject Cost (\$0	000)
702976	<u> </u>	121		ESC04	101		14,	100
		9. COST	ESTIMA'	TES				
		Item		U/M	Quant	ity	Unit Cost	Cost (\$000
PRIMARY FACILIT	TES			-	-		-	8,360
HYDRANT OUTL	ETS AND FU	JEL PIPING (12 OUTLETS)		LS	-		-	(4,610
				LS	-		-	(3,400
MODIFY EXISTIN	IG FUEL STO	ORAGE TANKS	• • • • • • • • • • • • • • • • • • • •	LS	-		-	(350
CLIDDODTING EAC	II ITIEC			_				4,26
		OVEMENTS		LS	-		-	(1,650
		UTILITIES		LS	_		_	(620
				LS	-		-	(1,420
GENERATOR AN	D ENCLOSU	RE		LS	-		-	(350
OPERATIONS & I	MAINTENAN	ICE SUPPORT INFORMATION	NC	LS	-		-	(225
GLIDEOT A I								12.62
SUBTOTAL CONTINGENCY (5				-	-		-	12,623
)				-	-		-	03
,				_	_   _		_	13,25
ESTIMATED CON	TRACT COST	Γ		-			-	862
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (6.5%)								
				-			-	14,11
-				-			-	14,100
TOTAL REQUEST	(ROUNDED)		•••••					
hydrant fuel syster barrel) operating t cathodic protectio Provide perimeter	n with 12 fu anks. Provi n systems, fi fencing, are	nstruction: Provide one 15 el outlets. Connect new piped new fill and withdrawal re hydrants, fire detection, a lighting, and access gates ated underground fuel pipir	ping syste piping to utility and s. Demol	em to two these to these to the these to the these the	wo existicanks from connect existing	ng 8,74 m the joins, a pump	45 kiloliter (2) pumphouse. Ind emergend station, contributed to the contribute of t	kL) (55,000- Work includes by generator. rol room,

11. REQUIREMENT: 44 Outlets (OL) ADEQUATE: 32 OL SUBSTANDARD: 18

OL

PROJECT: Replace a deteriorated, obsolete hydrant fuel system. (C)

REQUIREMENT: There is a need to provide a functioning hydrant fuel system for C-5 wide-bodied aircraft supporting strategic en route mobility requirements and operations plans in the Pacific. This system will replace a 27-year-old hydrant system that is failing and cannot support peacetime missions or en route mobility requirements in contingency or wartime operations. This project provides the second of two hydrant fuel systems needed to meet a total requirement of 44 hydrant outlets at this location. The first system of 32 outlets was approved in the DLA FY 2002 program and is currently under construction. A companion Air Force MILCON project to expand the strategic airlift aircraft ramp is being programmed in the Air Force's FY 04 program.

CURRENT SITUATION: The existing hydrant system is failing due to excessive stresses in the pipe due to faulty design, deteriorated piping, and deficient pipe welds. These conditions have resulted in several serious fuel leaks in which pipe welds cracked under the excessive pressures in the pipeline. Furthermore, the spacing of the existing fuel outlets, which were designed for C-141 aircraft, is too close for parking and refueling C-5s. Many of the existing system controls have failed due to exposure to the corrosive weather of the tropics. Alarm systems are outdated and also prone to failure. Because of the way this system is designed, when these alarms fail, the entire fuel system on base shuts down, causing operational impacts.

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO.

1. Component DEFENSE (DLA)	FY 200	Y 2004 MILITARY CONSTRUCTION PROJECT DATA					
3. Installation and Location:  4. Project Title							
HICKAM AIR FORCE BASE, HAWAII REPLACE HYDRANT FUR				EL SYSTEM			
5. Program Elemen	ıt	6. Category Code	7. Pro	7. Project Number 8. Project Cost (\$0		000)	
702976S	3	121	]	DESC0401	14,	100	

IMPACT IF NOT PROVIDED: If this project is not provided, a complete failure of the existing systems is likely as piping and components continue to deteriorate due to excessive pressures. The continued use of this faulty system jeopardizes the base's ability to refuel wide-bodied aircraft in support of current operations and en route mobility plans. The potential for environmental contamination from pipe ruptures will increase.

ADDITIONAL: An analysis of the status quo, repair of the existing system, and replacement construction concluded that replacement of the existing system is the only feasible alternative to accomplish the refueling mission. This project meets all applicable DoD criteria. The Director, Defense Logistics Agency, certifies that this facility has been considered for joint-use potential. Mission requirements, operational considerations, and location are incompatible with use by other components.

#### 12. Supplemental Data:

### A. Estimated Design Data:

1	G
	Status:

- (b) Parametric Cost Estimate Used to Develop Costs (Yes/No).....NO
- (c) Percent Completed as of January 2003......35
- (d) Date 35 Percent Completed......07/02
- $(f) \quad Type \ of \ Design \ Contract..... Design/Bid/Build$

#### 2. Basis:

- (a) Standard or Definitive Design:.....YES
- (b) Date Design was Most Recently Used:......07/02
- 3. Total Cost (c) = (a)+(b) or (d)+(e) (\$000)
  - (a) Production of Plans and Specifications......720
  - (b) All Other Design Costs......480

  - (d) Contract......960
  - (e) In-House......240

- 6. Construction Completion.......02/06
- A. Equipment associated with this project that will be provided from other appropriations:

  None

Point of Contact is Thomas P. Barba at 703-767-3534

						2.5.5	
1. COMPONENT DEFENSE (DLA)	F	Y 2004 MILITARY CONS	TRUCTIO	N PROG	GRAM	2. DATE	FEB 03
3. INSTALLATION AND LOC	CATION	4. COMMAND					CONSTRUCTION
OFFUTT AIR FORCE	BASE,	DEFENSE L	OGISTICS	SAGENO	<b>'Y</b>	COST I	
NEBRASKA				711021			1.00
6. PERSONNEL STRENGTH:	PER	MANENT S	STUDENTS		SUPPOI	RTED	
Tenant of USAF	OFFICER E	ENLIST CIVIL OFFICER	ENLIST	CIVIL (	OFFICER ENL	IST CIVIL	TOTAL
A. B.							
<u> </u>		A INVENTO	777 P. 4 T. A. (\$0.0				
A. TOTAL ACREAGE		A. INVENTO	RY DATA (\$0	000)			
B. INVENTORY TOTAL A	S OF						
C. AUTHORIZATION NOT		ENTORY					
D. AUTHORIZATION REQ	UESTED IN T	THIS PROGRAM					13,400
E. AUTHORIZATION INCL							
F. PLANNED IN NEXT TH	REE YEARS						
G. REMAINING DEFICIEN	ICY						
H. GRAND TOTAL							13,400
8. PROJECTS REQUESTED I	N THIS PROGR	AM:					
CATEGORY PROJECT		PROJECT TITLE			COST	DESIGN	STATUS
CODE NUMBER 121 DESC0452		Replace Hydrant Fuel Syste	em		(\$000) 13,400	START 03/02	COMPLETE 10/03
9. FUTURE PROJECTS: CATEGORY CODE		PROJECT TITLE			COST (\$000)		
		None					
10. MISSION OR MAJOR FUNC These fuel facilities provide e other contingency operations.	essential fuel sto	orage and distribution systems	to support th	ne missions	s of assigned uni	its of Offutt Air	Force Base and
Deferred sustainment, restora	ation, and mode	ernization of fuel facilities at th	is location is	\$3.4 milli	on.		
11. OUTSTANDING POLLUTION	ON AND SAFET	TY DEFICIENCIES:					
A. AIR POLLUTION					0		
B. WATER POLLUTIO					0		
C. OCCUPATIONAL S	SAFETY AND	HEALTH			0		

1. Component DEFENSE (DLA)	FY 200	DATA	2. Date FEB 03					
3. Installation and Lo	cation			4. Pro	ject Title	<u> </u>		
OFFUTT AIR FOR		E, NEBRASKA			•		DRANT FUE	I. SVSTEM
5. Program Element		6. Category Code	7. Pro	ject Nu			oject Cost (\$00	
702976S		121		ESC04			13,4	•
7027703		9. COST E			TJ2	1	13,7	<u> </u>
		Item	<u> </u>	U/M	Quant	it.	Unit Cost	Cost (\$000)
				- U/IVI	Quan	шу	- Unit Cost	9,010
		JEL PIPING (18 OUTLETS)		LS	_		_	(5,075)
		180 kL / 20,000 BARRELS)		LS	-		-	(1,850)
		100 KL / 20,000 DARKELS)		LS	-		-	(1,870)
		NT TRUCK CHECKOUT (2 ST		LS	-		-	(215)
SITE PREPARATIOI MECHANICAL/ELE DEMOLITION GENERATOR AND	N & IMPRO CTRICAL U ENCLOSU	OVEMENTS UTILITIES RE. ICE SUPPORT INFORMATIO		LS LS LS LS LS	-		- - - - -	3,010 (1,000) (1,450) (235) (125) (200)
				-	-		-	12,020
CONTINGENCY (5%				-	-		-	<u>601</u>
	ACT COST	OVERHEAD (SIOH) (6.0%)		-	-		-	12,621 <u>757</u>
-				-	-		-	13,378 13,400
hydrant fuel system hose truck checkout fire detection, utility access roads, and pij	with 18 fue station, and and sewer bing conne	nstruction: Provide one 152 el outlets, two 1,590 kiloliter and refueling-vehicle parking. It connections, and emergence tion to existing secondary parkings.	(kL) ( Work y gener oumpho	10,000- include ator. F use. D	-barrel) for es cathod Provide p Demolish	uel tan ic prot erimet two ex	ks, truck fillst ection system er fencing, are	and, hydrant s, fire hydrants, ea lighting, ouses and

associated underground storage tanks and hydrant outlets. Provide operations and maintenance support information. 11. REQUIREMENT: 18 Outlets (OL) ADEQUATE: 0 OL SUBSTANDARD: 45 OL

PROJECT: Replace two failing, obsolete hydrant fuel systems with a modern pressurized hydrant fuel system. (C)

REQUIREMENT: There is a need to construct a functioning hydrant fuel system for wide-bodied aircraft supporting missions of the National Command Authority (NCA), Joint Chiefs of Staff, U.S. Strategic Command, and Federal Emergency Management Agency (FEMA). This system will replace two failing systems built in the 1950s that use salvaged parts from other abandoned hydrant systems since replacement parts are no longer manufactured. This hydrant system will support E-4B aircraft, serving as National Airborne Operations Centers for NCA and FEMA, E-6B aircraft for the US Strategic Command's Airborne Command Post, and other RC-135 reconnaissance and intelligence aircraft.

CURRENT SITUATION: The existing hydrant systems have deteriorated beyond repair due to corrosion, water infiltration, electrical short-circuiting, and system control breakdowns. One of the existing 12 underground fuel storage tanks has failed and is now out of service. Both systems have experienced numerous electrical problems resulting, on occasion, with these systems being out of service for periods in excess of six months because repair parts were not available.

DEFENSE (DLA)	FY 200	04 MILITARY CON	FEB 03							
3. Installation and I										
OFFUTT AIR FO	RCE BASI	E, NEBRASKA		REPLACE HYDRANT FUEL SYSTEM						
5. Program Element		6. Category Code	7. Pro	ject Number	8. Project Cost (\$000)					
702976S	}	121		DESC0452	13,	400				
IMPACT IF NOT	IMPACT IF NOT PROVIDED: If this project is not provided, a complete failure of the existing systems is likely as									

IMPACT IF NOT PROVIDED: If this project is not provided, a complete failure of the existing systems is likely as components continue to deteriorate. Failure of these systems would have an immediate and significant adverse impact on the critical national security missions this base supports. The potential for environmental contamination from deteriorating underground fuel systems will increase.

ADDITIONAL: An analysis of the status quo versus replacement construction concluded that replacement of the existing system is the only feasible alternative to accomplish the refueling mission and eliminate potential environmental contamination. This project meets all applicable DoD criteria. The Director, Defense Logistics Agency, certifies that this facility has been considered for joint-use potential. Mission requirements, operational considerations, and location are incompatible with use by other components

#### 12. Supplemental Data:

# A. Estimated Design Data:

Status

- (b) Parametric Cost Estimate Used to Develop Costs (Yes/No)......NO
- (c) Percent Completed as of January 2003......35
- (f) Type of Design Contract......Design/Bid/Build

#### 2. Basis:

- (a) Standard or Definitive Design: YES
- (b) Date Design was Most Recently Used:......07/02
- 3. Total Cost (c) = (a)+(b) or (d)+(e) (\$000)
  - (a) Production of Plans and Specifications......520
  - (b) All Other Design Costs......340
  - (c) Total......860
  - (d) Contract......0

- 6. Construction Completion......11/05
- A. Equipment associated with this project that will be provided from other appropriations:

  None

1. COMPONENT	F	Y 2004 MILIT	ARY CON	STRUCT	ION PR	OGRAM		2. DATE	FEB 03	
DEFENSE (DLA)		1								
3. INSTALLATION AND LOCA NELLIS AIR FORCE I		4. COMMAND	1					5. AREA CONSTRUCTION COST INDEX 1.25		
NEVADA	DASE,	D	EFENSE L	OGISTIC	CS AGE	NCY				
6. PERSONNEL STRENGTH:	PER	MANENT		STUDENTS		S	SUPPORT	ED		
Tenant of USAF	OFFICER I	ENLIST CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	Γ CIVIL	TOTAL	
A. B.										
		F	A. INVENTO	ORY DATA	(\$000)					
A. TOTAL ACREAGE										
B. INVENTORY TOTAL AS	S OF									
C. AUTHORIZATION NOT	YET IN INVI	ENTORY								
D. AUTHORIZATION REQ	UESTED IN T	THIS PROGRAM							12,80	
E. AUTHORIZATION INCL	UDED IN FO	LLOWING PRO	GRAM							
F. PLANNED IN NEXT THI	REE YEARS								6,30	
G. REMAINING DEFICIEN	CY									
H. GRAND TOTAL									19,10	
8. PROJECTS REQUESTED I	N THIS PROGE	RAM:								
CATEGORY PROJECT		PROJE	CT TITLE			COST		DESIGN	STATUS	
CODE NUMBER 121 DESC0413		Hydrant	Fuel System			(\$000) 12,800		START 02/02	COMPLETE 10/03	
9. FUTURE PROJECTS: CATEGORY		PROJECT TITI	Æ			COST				
CODE						(\$000)				
124	Ope	erating Fuel Tank	(FY 08)			6,300				
10. MISSION OR MAJOR FUNC These fuel facilities provide exother contingency operations.	ssential fuel st						ned units	of Nellis Air	Force Base and	
Deferred sustainment, restora	tion, and mod	ernization of fuel	facilities at the	his location	18 \$7.0 n	nillion.				
11. OUTSTANDING POLLUTION	ON AND SAFE	TY DEFICIENCIES	<u> </u>							
A. AIR POLLUTION							0			
B. WATER POLLUTION	N						0			
C. OCCUPATIONAL S		HEALTH					0			

1. Component DEFENSE (DLA)	FY 200	2. Date FEB 03						
3. Installation and L	ocation			4. Pro	ject Title			
NELLIS AIR FORCE BASE, NEVADA					HYDI	RANT FUEL SY	STEM	
5. Program Element	;	6. Category Code	7. Pro	ject Nu	mber	8. Project Cost (\$6		
71111S		121	D	ESC04	113	12,	800	
		9. COST I	ESTIMA	TES	•			
		Item		U/M	Quantity	y Unit Cost	Cost (\$000)	
PRIMARY FACILITIES.					-	-	8,030	
		EL PIPING (9 OUTLETS)		LS	-	-	(1,785)	
		180 kL / 20,000 BARRELS)	LS LS	-   -		(2,370)		
		NT TRUCK CHECKOUT (6 S		LS	-	-	(2,200) (1,675)	
				-	-	-	3,450	
		OVEMENTS UTILITIES		LS LS	-	-	(2,000)	
		JILIIIES		-~	-	-	(800)	
		RE		LS	-	_	(150)	
		ICE SUPPORT INFORMATIO		LS	-	-	(200)	
SUBTOTAL CONTINGENCY (59				-	-	-	11,480 <u>574</u>	
)							10.5-1	
EGTIMATED COM				-	-	-	12,054	
		「OVERHEAD (SIOH) (6.0%).		-	-	-	723	
TOTAL REQUEST TOTAL REQUEST (				-	-	-	12,777 12,800	

10. Description of Proposed Construction: Provide one 152 liter-per-second (2,400 gallon-per-minute) pumphouse, hydrant fuel system with 9 fuel outlets, two 1,590 kiloliter (kL) (10,000-barrel) fuel tanks, truck fillstand, hydrant hose truck checkout station, and fuel transfer pipeline. Work includes cathodic protection systems, fire hydrants, fire detection, utility and sewer connections, and emergency generator. Provide perimeter fencing, area lighting, and access roads. Provide operations and maintenance support information.

11. REQUIREMENT: 9 Outlets (OL) ADEQUATE: 0 OL SUBSTANDARD: 0 OL

PROJECT: Construct a modern pressurized hydrant fuel system. (C)

REQUIREMENT: There is a need to construct a hydrant fuel system for wide-bodied aircraft to support a variety of important training missions and exercises at this premier training base. Nellis AFB is the largest multi-national live weapons training base in the world, used by all four services and NATO forces. Wide-bodied aircraft participation in joint exercises has increased by more than 300 percent since FY 93. Refueling these aircraft using multiple refueler trucks is overtaxing manpower, equipment, and base infrastructure, which was built to support fighter aircraft. Inability to quickly refuel large-frame aircraft decreases sortie rates and delays training.

CURRENT SITUATION: Refueling large-frame aircraft currently requires three to four refueler trucks per aircraft. Continued growth in the number of large aircraft participating in exercises at the base cannot be supported by the existing fuel infrastructure and decreasing manpower levels.

1. Component  DEFENSE  (DLA)	FY 200	04 MILITARY CONST	2. Date FEB 03					
3. Installation and I	Location:		4. Project Title					
NELLIS AIR FO	RCE BASE	, NEVADA		HYDRANT FUEL SYSTEM				
5. Program Element 6. Ca		6. Category Code	7. Pro	ject Number	8. Project Cost (\$000)			
71111S	71111S 121		I	DESC0413	12,8	800		
TI COLOR TELLOR					1. 61 .	C 1 . 1 . 111		

IMPACT IF NOT PROVIDED: If this project is not provided, the continued refueling of large aircraft by trucks will jeopardize Nellis AFB's ability to meet aircraft-sortie turn around times during numerous annual exercises. This condition will adversely risk both training effectiveness and the ability of the Air Force, Army, Navy, Marine, and NATO forces to maintain mission readiness. The safety of personnel operating and maintaining overburdened equipment during high-demand exercises will be imperiled.

ADDITIONAL: An economic analysis of the status quo versus building a hydrant fuel system favored new construction based on a benefit analysis of timeliness, efficiency, safety, and environmental considerations of a hydrant fuel system to accomplish the refueling mission. This project meets all applicable DoD criteria. The Director, Defense Logistics Agency, certifies that this facility has been considered for joint-use potential. Mission requirements, operational considerations, and location are incompatible with use by other components

# 12. Supplemental Data:

# A. Estimated Design Data:

Lou	inated Design Bata.	
1.	Status:	
	(a) Date Design Started	02/02
	(b) Parametric Cost Estimate Used to Develop Costs (Ye	es/No)NO
	(c) Percent Completed as of January 2003	35
	(d) Date 35 Percent Completed	07/02
	(e) Date Design Complete	10/03
	(f) Type of Design Contract	
2.	Basis:	
	(a) Standard or Definitive Design:	YES
	(b) Date Design was Most Recently Used:	07/02
3.	Total Cost (c) = (a)+(b) or (d)+(e) ( $$000$ )	
	(a) Production of Plans and Specifications	480
	(b) All Other Design Costs	320
	(c) Total	800
	(d) Contract	640
	(e) In-House	
4.	Contract Award	02/04

A. Equipment associated with this project that will be provided from other appropriations:

None

1. COMPONENT DEFENSE (DLA)	]	FY 2004	MILITA	RY CON	STRUCTI	ON PRO	OGRAM		2. DATE	FEB 03	
3. INSTALLATION AND LOC DDSP, NEW CUMBER PENNSYLVANIA		4. co	MMAND DI	EFENSE I	LOGISTIC	CS AGE	NCY		5. AREA CONSTRUCTION COST INDEX 0.93		
6. PERSONNEL STRENGTH:	PE	RMANEN'	Γ		STUDENTS		S	UPPORTE	ED		
A.As of Sept 02 B.End of FY 08	OFFICER 14 12	ENLIST 11 10	CIVIL 1,703 1,650	OFFICER 0 0	ENLIST 0 0	CIVIL 0 0	OFFICER 246 200	ENLIST	CIVIL 1,031 1,000	TOTAL 3,005 2,872	
A TOTAL ACREACE			A.		ORY DATA (	(\$000)					
A. TOTAL ACREAGE	a of arb oa		848 ACR	ES						2.742.011	
B. INVENTORY TOTAL A										3,742,811	
C. AUTHORIZATION NOT										42,600	
D. AUTHORIZATION REQ										27,700	
E. AUTHORIZATION INC			NG PROC	GRAM						23,100	
F. PLANNED IN NEXT TH	IREE YEARS	3								35,300	
G. REMAINING DEFICIEN	NCY									45,300	
H. GRAND TOTAL										3,916,811	
8. PROJECTS REQUESTED	IN THIS PROC	GRAM:									
CATEGORY PROJECT CODE NUMBER 441 DDSP0401		Replace		T TITLE	rehouse		COST (\$000) 27,700		DESIGN START 09/01	STATUS COMPLETE 09/03	
9. FUTURE PROJECTS: CATEGORY CODE		PROJ	ECT TITL	E			COST (\$000)				
219				acility (FY (	)5)			100			
724 740			ng Facility ess Center					000 300			
441			ehouse (F					000			
841	Elevat	ed Water	Storage T	ank (FY 08	)		3,	000			
10. MISSION OR MAJOR FUNC Department of Defense-owne commodities are medical mate support of Armed Forces equ automated materiel processing Deferred sustainment, restora	ed commodities eriel, clothing ipment. DDS g center that s	es to all br and textil SP is the h services C	anches of es, subsist ome of the CONUS an	the Armed tence, and in the Eastern D and overseas	Forces, as wandustrial, constribution Coustomers.	vell as sup nstruction Center, a 1	porting other a, and electro	Federal nic parts	agencies. As required for	mong the maintenance	
		ETY DEFI	CIENCIES	:							
11. OUTSTANDING POLLUT	ION AND SAF										
11. OUTSTANDING POLLUT A. AIR POLLUTION	ION AND SAF							0			
								0 0			

1. Component DEFENSE (DLA)	FY 200	04 MILITARY CONS	TRUC	TION	PROJ	ECT	DATA	2. Date FEB 03	
3. Installation and I DEFENSE DISTI	RIBUTION	DEPOT SUSQUEHANNA ND, PENNSYLVANIA					ENERAL P		
5. Program Element 702976S		6. Category Code 411	,	DDSP0401 Auth Appr				27,700 27,000	
		9. COST E	L ESTIMA	ΓES		Auu	i ioi Appi	27,000	
		Item		U/M	Quant	itv	Unit Cost	Cost (\$000)	
PRIMARY FACILITIES					38,99 - -	_	- 480 - -	19,657 (19195) (308) (154)	
SUPPORTING FACILITIESSITE UTILITIES/IMPROVEMENTSDEMOLITION					- - -		- - -	5,184 (1,872) (3,312)	
SUBTOTALCONTINGENCY (5%					-		- -	24,841 <u>1,242</u>	
ESTIMATED CONT	TRACT COS	T τ OVERHEAD \$IOH) (6.0%).		-	-		- -	26,083 <u>1,526</u>	
SUBTOTAL FUNDS PROVIDED	FROM FY2	002 MCON SAVINGS		-	-		-	27,648 -700	
TOTAL REQUEST	(ROUNDED	) ER APPROPRIATIONS (NON-AI		-	-		-	26,948 27,000 (1,823)	
concrete floors at coloring docks with low-level-radioactivateam heat system lunch room and a b	lock height dock levele ve, classified from the cerouilding utili	nstruction: Construct a perr level and 6.1 meter (20 feet) rs, paved roadways, and cond, and pilferable items and a ntral heat plant. Provide an aty annex. Demolish three Wood will be provided in the ac	clear stannections 21 m ² ( administrations)	to all to	height. P utilities. I F) radioac unnex with warehou	rovide Provid tive te h restr	weather-sea e special storest lab. Conno ooms, locker	led truck doors, rage space for ect facility to rooms, and	

**11.** REQUIREMENT: 370,427 m² ADEQUATE: 269,906 m² SUBSTANDARD: 126,760 m²

PROJECT: Replace three WW I-era warehouses with a general purpose warehouse for bulk items in support of the storage mission at DDSP. (C)

REQUIREMENT: There is a need to provide modern bulk storage space in direct support of the depot's automated distribution facility. In accordance with the DDSP Master Plan, the depot plans to construct replacement facilities for six deteriorated WW I-era wooden warehouses. Two of these warehouses will be demolished under previously approved MILCON projects. The proposed facility will replace three of these warehouses, totaling 56,188 m ² (604,800 SF). Demolition of the remaining warehouse will be part of a future MILCON project. This project supports an approved plan to reduce and recapitalize facilities infrastructure and to centralize distribution operations.

CURRENT SITUATION DDSP currently has wooden warehouses, constructed in 1918, providing bulk storage space at the depot. With maximum stacking heights of 3.6 meters (12 feet) and wood support columns spaced at 6.1-meter (20-foot) intervals, these warehouses cannot support efficient storage layouts and are costly to maintain. In addition, distribution centralization efforts have started to consolidate personnel to reduce costs and improve efficiency. This project plays an integral part in achieving these goals.

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO.

1. Component DEFENSE	FY 200	04 MILITARY CONST	ECT DATA	2. Date FEB 03		
(DLA) 3. Installation and I	Continu			4. Project Title		
		DEDOE GUGOLIEU ANNA		_	CE CENEDAL I	NIDDOGE.
		DEPOT SUSQUEHANNA ND, PENNSYLVANIA	•	REPLA	CE GENERAL I	
5. Program Element		6. Category Code	7 Pro	ject Number	WAREHOUSE 8. Project Cost (\$6	
=		= -		=	Auth	27,700
702976S	•	411	L	DDSP0401	Appr	27,000
					Auth for Appr	27,000
IMPACT IF NOT	PROVIDEI	D If this project is not provide	led DE	OSP will have to		
		W I-era warehouses. The cos				
		will be unable to implement i				
		ls, further consolidate distrib				
ueme ve fuemeles re	addition god	is, further componente district	ation of	porturions, una	ecupitunze uging n	mastractare.
ADDITIONAL: T	he proposed	d new construction is the only	feasib	le alternative. T	his project meets a	ll applicable
		efense Logistics Agency, cert				
		ts, operational considerations				
components	•	-				
_						
44.6						
12. Supplemental D	ata:					
A Estimated	Davies Da					
A. Estimated 1. Statu	-	.a:				
		Stantad		(	00/01	
		Started				
		Cost Estimate Used to Develop				
		ipleted as of January 2003				
		cent Completed				
	_	Complete				
(1) 1	ype of Desi	ign Contract		Design/Bid/B	ulia	
2. Basis	c·					
		Definitive Design:			NO	
1 /		was Most Recently Used:				
(0) 1	Jaic Design	was Most Recently Osca			N/A	
3. Tota	l Cost (c)	= (a)+(b)  or  (d)+(e) (\$000)	))			
J. 10th	2 0050 (0)	(4) (5) 31 (4) (6)	-,			
(a) F	Production o	of Plans and Specifications		9	00	
		esign Costs				
` ′						
(e) I	n-House				300	
,						
4. Cont	tract Award			0	1/04	
5. Cons	struction Sta	art		0	2/04	
6. Cons	struction Co	mpletion		0	2/06	
A. Equipmen	t associated	with this project that will be	provide	ed from other ap	propriations:	
PURPOS	E	APPROPRIATION		FISCAL Y REQUI		NT (\$000)
Du ic	D 1	DUIGE		2007		1.002
Pallet and Cantilevo	er Kacks	DWCF		2005		1,823

1. COMPONENT	F	Y 2004 MILITA	RY CONSTRUC	TION PR	OGRAM		2. DATE	FEB 03	
DEFENSE (DLA) 3. INSTALLATION AND LOC LAUGHLIN AIR FOR BASE, TEXAS		4. COMMAND DE	FENSE LOGIST	CS AGE	ENCY		5. AREA CONSTRUCTION COST INDEX 0.88		
							<u> </u>		
6. PERSONNEL STRENGTH:	OFFICER 1	RMANENT ENLIST CIVIL	STUDENT OFFICER ENLIST			PPORTE		TOTAL	
Tenant of USAF A. B.	OFFICER 1	ENLIST CIVIL	OFFICER ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL	
		A.	INVENTORY DATA	(\$000)					
A. TOTAL ACREAGE									
B. INVENTORY TOTAL A	AS OF								
C. AUTHORIZATION NO	T YET IN INV	ENTORY							
D. AUTHORIZATION REC	QUESTED IN	THIS PROGRAM						4,68	
E. AUTHORIZATION INC	LUDED IN FO	OLLOWING PROC	GRAM						
F. PLANNED IN NEXT TH	HREE YEARS								
G. REMAINING DEFICIE	NCY								
H. GRAND TOTAL								4,68	
8. PROJECTS REQUESTED	IN THIS PROG	RAM:							
CATEGORY PROJECT		PROJEC	T TITLE		COST		DESIGN	STATUS	
CODE NUMBER 126 DESC0407		Replace Truck Fue	el Loading Facility		(\$000) 4,688		START 04/02	COMPLETE 10/03	
9. FUTURE PROJECTS: CATEGORY CODE		PROJECT TITLE	3		COST (\$000)				
		None							
10. MISSION OR MAJOR FUNC These fuel facilities provide e other contingency operations Deferred sustainment, restora	ssential fuel sto				_	units of	Laughlin A	Air Force Base and	
11. OUTSTANDING POLLUT	TION AND SAFE	ETY DEFICIENCIES	:						
A. AIR POLLUTION						0			
B. WATER POLLUTI	ON					0			
C. OCCUPATIONAL	SAFETY ANI	) HEALTH				0			

1. Component
DEFENSE
(DLA)

3. Installation and Location
LAUGHLIN AIR FORCE BASE, TEXAS

FY 2004 MILITARY CONSTRUCTION PROJECT DATA
FEB 03

4. Project Title
REPLACE TRUCK FUEL LOADING
FACILITY

7. Project Number

DEC CO 40=

8. Project Cost (\$000)

6. Category Code

702976S	126	DESC0	407	4,688	
	9. COST ESTIM	ATES			
]	tem	U/M	Quantity	Unit Cost	Cost (\$000)
	)	TC	- -	-	3,022 (365)
PUMP	,	LS	-	-	(430)
STATIONFUEL DISTRIBUTION PIPING		LS	-	-	(2,227)
SUPPORTING FACILITIES SITE PREPARATION & IMPRO MECHANICAL/ELECTRICAL	DVEMENTSUTILITIES		- - -	- - - -	1,190 (800) (105) (285)
SUBTOTAL CONTINGENCY (5%		-	-	4,212 211	
ESTIMATED CONTRACT COST	C		-	-	4,423 <u>265</u>
		-	-	-	4,688

10. Description of Proposed Construction: Provide one 152 liter-per-minute (2400 gallon-per-minute) pump station, truck fuel loading fillstands, and fuel piping to fuel storage tanks. Work includes cathodic protection systems, fire protection, utility and sewer connections, area lighting, generator, refueler truck parking, and access pavements. Demolish an inoperable six-position truck fillstand, associated pumphouse, piping, and equipment.

**11.** REQUIREMENT: 4 Fillstands ADEQUATE: 0 SUBSTANDARD: 6 Fillstands

PROJECT: Replace an inoperable truck fuel loading facility. (C)

REQUIREMENT: There is a need to replace a six-position truck fillstand shut down in 1996 due to system leaks and environmental concerns. The current use of an expedient truck fillstand connection at the commercial truck fuel unloading station is causing delays in refueling aircraft and long waiting times to unload fuel to storage tanks or to load refueler trucks. Limited maneuver space at the unloading area creates safety hazards and violates current vehicle separation criteria for safe operations. A four-position truck fillstand, close to the flightline, is needed to support the refueling of aircraft flying more than 350 sorties per day at this premier Air Force pilot training facility.

CURRENT SITUATION Laughlin AFB lacks permanent facilities to load fuel onboard R-11 refueler trucks supporting the base's aircraft flying mission. In 1996, numerous environmental issues forced the deactivation of the fillstand area. As an interim solution, mobile hose carts were connected to the unloading facility at the bulk fuel storage tank area to provide fuel to these trucks. This area is too congested for simultaneously receiving commercial fuel and refueling R-11s on their way to the flightline. Lack of truck maneuver space increases the risk of a potentially dangerous accident between fuel-laden trucks. In addition, this fuel point is on the base's busiest avenue leading to the main gate. Refueler trucks must continually cross this street to reach aircraft parking aprons, one-half mile away. This hazard further exacerbates the safety risk.

IMPACT IF NOT PROVIDED If this project is not provided, Laughlin AFB faces a significant safety risk due to the traffic congestion at the refueling area. Operational tempo could be affected by the delays in refueling aircraft, causing problems with the scheduling of training and the number of daily aircraft sorties.

5. Program Element

**50005**60

1. Component DEFENSE (DLA)	FY 2004 MILITARY CONSTRUCTION PROJECT DATA  2. Date FEB 03					
3. Installation and Location:			4. Project Title			
LAUGHLIN AIR FORCE BASE, TEXAS			REPLACE TRUCK FUEL LOADING FACILITY			
5. Program Elemen	t	6. Category Code	7. Pro	ject Number	8. Project Cost (\$0	000)
7029768	S	126	I	DESC0407 4,		588
ADDITIONAL: The status quo poses an unacceptable safety hazard. Consequently, the proposed new construction is						

ADDITIONAL: The status quo poses an unacceptable safety hazard. Consequently, the proposed new construction is the only feasible alternative. This project meets all applicable DoD criteria. The Director, Defense Logistics Agency, certifies that this facility has been considered for joint-use potential. Mission requirements, operational considerations, and location are incompatible with use by other components

#### 12. Supplemental Data:

- A. Estimated Design Data:
  - 1. Status:
  - (a) Date Design Started......04/02
    - (b) Parametric Cost Estimate Used to Develop Costs (Yes/No)......NO

    - (e) Date Design Complete......10/03
  - 2. Basis:
    - (a) Standard or Definitive Design:.....NO
    - (b) Date Design was Most Recently Used:.....N/A
  - 3. Total Cost (c) = (a)+(b) or (d)+(e) (\$000)
    - (a) Production of Plans and Specifications.......170

    - (c) Total......285

    - (e) In-House......55
- A. Equipment associated with this project that will be provided from other appropriations:

  None

				1 DATE	
1. COMPONENT	F'	Y 2004 MILITARY CONSTRUCTION PI	ROGRAM	2. DATE FEB	03
DEFENSE (DLA)	ATION	A constant		5. AREA CONSTE	
3. INSTALLATION AND LOC LANGLEY AIR FORC		4. COMMAND		COST INDEX	COCTION
VIRGINIA	<i>,</i> <b>,</b> ,	DEFENSE LOGISTICS AG	ENCY	0.	94
6. PERSONNEL STRENGTH:	PER	MANENT STUDENTS	SUPPORTE	ED	
Tenant of USAF	OFFICER E	NLIST CIVIL OFFICER ENLIST CIVIL	OFFICER ENLIST	CIVIL TOTA	AL
A. B.					
<b>.</b>					
A TOTAL ACREACE		A. INVENTORY DATA (\$000)			
A. TOTAL ACREAGE					
B. INVENTORY TOTAL A					
C. AUTHORIZATION NOT	YET IN INV	ENTORY			
D. AUTHORIZATION REQ	UESTED IN	THIS PROGRAM			13,000
E. AUTHORIZATION INC	LUDED IN FO	DLLOWING PROGRAM			
F. PLANNED IN NEXT TH	REE YEARS				
G. REMAINING DEFICIEN	NCY				
H. GRAND TOTAL					13,000
8. PROJECTS REQUESTED I	IN THIS PROGE	RAM:			
CATEGORY PROJECT		PROJECT TITLE			STATUS
CODE NUMBER 121 DESC0410		Replace Hydrant Fuel System	(\$000) 13,000	START C0 02/02	OMPLETE 10/03
			,	<u> </u>	20.00
9. FUTURE PROJECTS:					
CATEGORY CODE		PROJECT TITLE	COST (\$000)		
0022			(+ /		
		None			
10. MISSION OR MAJOR FUNC		rage and distribution systems to support the missi	ions of assigned units of	I angley Air Force	Rase and
other contingency operations.		rage and distribution systems to support the mass.	IOIIs Of assigned units of	Langicy An 1 010.	z Dasc and
Deferred sustainment restora	tion and mode	rnization of fuel facilities at this location is \$397	7,000		
Deterred sustainment, restora	lion, and mode	IIIIZAUOII OI Tuei facilities at tilis location - 15 ψ3//	,000.		
11. OUTSTANDING POLLUTI	ION AND SAFE	TY DEFICIENCIES:			
A. AIR POLLUTION			0		
B. WATER POLLUTIO			0		
C. OCCUPATIONAL S	SAFETY AND	HEALTH	0		

1. Component DEFENSE	FY 200	04 MILITARY CONS	STRUC	TION	PROJ	ECT	DATA	2. Date FEB 03
(DLA)				•				
3. Installation and I				4. Pro	ject Title			
LANGLEY AIR I	FORCE BA	SE, VIRGINIA		R	EPLAC1	E HYI	DRANT FUE	L SYSTEM
5. Program Elemen	t	6. Category Code	7. Pro	ject Nu	mber	8. Pr	oject Cost (\$00	00)
7029768	\$	121	Г	ESC0	410		13,0	00
		9. COST				<u> </u>		
		Item		U/M	Quant	itv	Unit Cost	Cost (\$000)
DDIMADN EACH II				-	-	j	-	8,015
		UEL PIPING (10 OUTLETS).		LS	_		_	(3,740)
		NKS (3,975kL / 25,000 BAR		LS	_		_	(1,190)
		(3,973KL / 23,000 BAK		LS	_		_	(2,500)
		GE SHELTER		LS	-		-	(585)
TANTOOKAI IIS A	AND STOKA	OL SHELTER	• • • • • • • • • • • • • • • • • • • •					
SUDDODTING EAC	II ITIDO							3,680
		OVEMENTS		LS	-		-	(2,070)
				LS	-		-	(780)
MECHANICAL/ELECTRICAL UTILITIES  DEMOLITION				LS	_		_	(510)
		JRE		LS	_		_	(120)
		NCE SUPPORT INFORMAT		LS	_		_	(200)
	VII III VI EI VI II	NOL BOTT ON THE ORIGINA	101	Lo				(200)
SUBTOTAL				_	_		-	11,695
CONTINGENCY (5	%			-	_		-	585
)								
				-	-		-	12,280
ESTIMATED CONT	TRACT COS	Т		-	-		-	<u>737</u>
SUPERVISION, INS	SPECTION 8	& OVERHEAD \$IOH) (6.0%)						
				-	-		-	13,017
					-		-	13,000
TOTAL REQUEST	(ROUNDED)	)						<b> </b>
10 D	D 1 C		0 1:4		1 (2 400	11.c ··		
		nstruction: Provide one 15						
		el outlets. Convert one 1,59						
*		ing tanks. Connect existing	-			•		
cathodic protection	i systems fii	re hydrants fire detection i	utility and	l sewer	connecti	ons n	antooranhs an	d shelter

10. Description of Proposed Construction: Provide one 152 liter-per-second (2,400 gallon-per-minute) pumphouse and hydrant fuel system with 10 fuel outlets. Convert one 1,590 kiloliter (kL) (10,000-barrel) and one 2,385 kL (15,000-barrel) bulk fuel tank to operating tanks. Connect existing truck fillstand to new hydrant piping. Work includes cathodic protection systems, fire hydrants, fire detection, utility and sewer connections, pantographs and shelter. Provide perimeter fencing, area lighting, access roads, and generator. Demolish two existing pumphouses and associated underground storage tanks, hydrant outlets, and product recovery tank. Provide operations and maintenance support information.

ADEQUATE: 0 OL

PROJECT: Replace a failed hydrant fuel system with a modern pressurized hydrant fuel system. (C)

REQUIREMENT: There is a need to replace an existing obsolete and failed hydrant fuel system of 26 outlets with a modern pressurized hydrant system. The new system will allow fast and efficient refueling of wide-bodied aircraft and provide hot-pit refueling of fighter aircraft assigned to Langley AFB, which is the home of the 1st Fighter Wing and the east coast departure point for Air Expeditionary Forces and the Army's Transportation Command.

CURRENT SITUATION: The existing hydrant system, built in 1954, has been shut down due to corrosion, numerous electrical short circuits, and extensive damage to valves and controls by saltwater intrusion into valve pits. The operating storage tanks and piping have a history of leaking. Wide-bodied aircraft are presently refueled by refueler trucks. This slow, manpower-intensive operation reduces the base's capability to refuel aircraft in time to satisfy deployment schedules.

11. REQUIREMENT: 10 Outlets (OL)

SUBSTANDARD: 26 OL

1. Component DEFENSE (DLA)	FY 200	FY 2004 MILITARY CONSTRUCTION PROJECT DATA  2. Date FEB 03					
3. Installation and Location: 4. Project Title							
LANGLEY AIR FORCE BASE, VIRGINIA				REPLACE HYDRANT FUEL SYSTEM			
5. Program Elemen	t	6. Category Code	7. Pro	ject Number	8. Project Cost (\$0	000)	
7029768	5	121	]	DESC0410 13		000	
IMPACT IF NOT PROVIDED If this project is not provided, air base operations will continue to be hampered by							

delays in refueling wide-bodied aircraft. Reliance on refueler trucks will increase sortie turnaround times, exhaust equipment and manpower, and create logistical bottlenecks during deployments and contingency operations.

ADDITIONAL: An analysis of the status quo versus replacement construction concluded that replacement of the existing system is the only feasible alternative to accomplish the refueling mission. This project meets all applicable DoD criteria. The Director, Defense Logistics Agency, certifies that this facility has been considered for joint-use potential. Mission requirements, operational considerations, and location are incompatible with use by other components

# 12. Supplemental Data:

# A. Estimated Design Data:

1	α, ,
	Status

(a)	Date Design Started02/02
(b)	Parametric Cost Estimate Used to Develop Costs (Yes/No)NO

- (c) Percent Completed as of January 2003......35
- (d) Date 35 Percent Completed......07/02 (e) Date Design Complete......10/03
- (f) Type of Design Contract.......Design/Bid/Build

#### 2. Basis:

- (a) Standard or Definitive Design:.....YES
- (b) Date Design was Most Recently Used:.....07/02
- 3. Total Cost (c) = (a)+(b) or (d)+(e) (\$000)

(c) Production of Plans and Specifications4	480	) Production of Plans and Specifications
---------------------------------------------	-----	------------------------------------------

- (e) Total.....800 (f) Contract......640

- Construction Completion......11/05
- A. Equipment associated with this project that will be provided from other appropriations: None

1. COMPONENT	F	Y 2004 MILITARY C	CONSTRUCT	ION PR	OGRAM		2. DATE	FEB 03
DEFENSE (DLA) 3. INSTALLATION AND LO	CATION	CATION 4. COMMAND					5. AREA	CONSTRUCTION
MCCHORD AIR FOR			~~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	~~ . ~=			COST I	
BASE, WASHINGTON  DEFENSE LOGISTICS AGENCY						1.06		
6. PERSONNEL STRENGTH:	: PEF	RMANENT	STUDENT	S	S	UPPORT	ED	
Tenant of USAF A. B.	OFFICER	ENLIST CIVIL OFFI	CER ENLIST	CIVIL	OFFICER	ENLIST	Γ CIVIL	TOTAL
		A. INV	ENTORY DATA	(\$000)				
A. TOTAL ACREAGE								
B. INVENTORY TOTAL	AS OF							
C. AUTHORIZATION NO	T YET IN INV	/ENTORY						
D. AUTHORIZATION RE	QUESTED IN	THIS PROGRAM						8,10
E. AUTHORIZATION INC	CLUDED IN F	OLLOWING PROGRAM						
F. PLANNED IN NEXT T	HREE YEARS							
G. REMAINING DEFICIE	ENCY							
H. GRAND TOTAL								8,10
	IECTS REQUES	TED IN THIS PROGRAM:						,
CATEGORY PROJECT		PROJECT TITL	.E		COST		DESIGN	STATUS
CODE NUMBER 411 DESC0411		Bulk Fuel Storage	Tanks		(\$000) 8,100		START 04/02	COMPLETE 10/03
TII DESCOTII		Duk Tuel Storage	1 diks		0,100		04/02	10/03
9. FUTURE PROJECTS:								
CATEGORY CODE		PROJECT TITLE			COST (\$000)			
		None						
10. MISSION OR MAJOR FUN These fuel facilities provide o other contingency operations	essential fuel sto	orage and distribution syst	ems to support	the missio	ns of assigned	l units of	McChord	Air Force Base and
Deferred sustainment, restor		ernization of fuel facilities	at this location	ic \$1.3 m	aillion			
Deferred sustainment, restor	ation, and mod	ermzation or fuer facilities	at this location	15 ψ <del>+</del> .5 11	illilloll.			
11. OUTSTANDING POLLUT	ΓΙΟΝ AND SAF	ETY DEFICIENCIES:						
A. AIR POLLUTION						0		
B. WATER POLLUT						0		
C. OCCUPATIONAL	SAFETY ANI	O HEALTH				0		

1. Component DEFENSE (DLA)	FY 2004 MILITARY CONSTRUC			TION	PROJ	ECT	DATA	2. Date FEB 03
3. Installation and Loca				4. Pro	ject Title		'	
MCCHORD AIR FO	RCE B	ASE, WASHINGTON			BULK	FUEL	STORAGE	E TANKS
5. Program Element		6. Category Code	7. Pro	ject Nu	mber	8. Pro	ject Cost (\$0	00)
71111S		411		ESC04	<b>4</b> 11		8,1	00
		9. COST ES	STIMA	TES				
		Item		U/M	Quant	ity	Unit Cost	Cost (\$000)
BULK FUEL STORAG PUMPHOUSESUPPORTING FACILIT	E TANK	S (25,438kL / 160,000 BARRE	LS)	LS LS - LS	- - -		- - -	5,890 (5,040) (850) 1,375 (440)
			LS	- - -		- - -	(780) (55) (100)	
SUBTOTALCONTINGENCY (5%			-	-		-	7,265 <u>363</u>	
ESTIMATED CONTRACT COST				-		-	7,628 <u>458</u>	
					-		-	8,086 8,100

**10. Description of Proposed Construction:** Provide two 12,719 kiloliter (kL) (80,000-barrel) aboveground, steel, fuel storage tanks with impervious containment dikes and basins, overfill protection devices, water drawoff system, internal floating pan, automatic tank gauging system, and other standard tank appurtenances. Construct a 38 literper-second (600 gallon-per-minute) transfer pumphouse with fuel filters connected to an existing pumphouse serving other bulk tanks. Work includes cathodic protection systems, fire hydrants, fire detection, utility and sewer connections, perimeter fencing, area lighting, access roads, and generator. Demolish an existing deteriorated 795 kL (5,000-barrel) fuel tank.

11. REQUIREMENT: 229,000 Barrels (BL) ADEQUATE: 69,000 BL SUBSTANDARD: 5,000 BL

PROJECT: Construct two aboveground bulk fuel storage tanks to meet McChord AFB's fuel storage requirements. (C)

REQUIREMENT: There is a need for greater fuel storage capacity at McChord AFB to support Fort Lewis's Strategic Brigade Airlift mission, the Air Mobility Command's strategic en route airlift requirements, and other operations plans. Without these additional storage tanks, the base fails to meet the fuel storage capacity required in the Joint Chiefs' Fuel Inventory Management Plan.

CURRENT SITUATION McChord AFB has an insufficient amount of on-base fuel storage volume to store the mandated 15-days supply of fuel needed to meet its current missions. The base receives fuel via an underground pipeline that is too small to satisfy the resupply rate needed to match fuel demand during operations and contingencies. The lack of sufficient on-base storage volume also impedes the base's ability to settle fuel received by pipeline to meet Air Force fuel-quality standards before dispensing this fuel to aircraft.

IMPACT IF NOT PROVIDED If this project is not provided, McChord AFB will be unable to meet its current wartime refueling commitments. In addition, the high demand for fuel from an undersized fuel resupply pipeline will have the potential of adversely impacting the quality of fuel issued to aircraft

DD Form 1391

1. Component DEFENSE (DLA)	FY 200	FY 2004 MILITARY CONSTRUCTION PROJECT DATA  2. Date FEB 03					
3. Installation and I	tion and Location:  4. Project Title						
MCCHORD AIR FORCE BASE, WASHINGTON				BULK	FUEL STORAGE	E TANKS	
5. Program Element	t	6. Category Code	7. Project Number		8. Project Cost (\$000)		
71111S		411	DESC0411		8,100		
ADDITIONAL: An analysis of the status quo versus new construction concluded that the construction of additional fuel storage tanks is the only feasible alternative to accomplish the refueling mission. This project meets all applicable DoD criteria. The Director, Defense Logistics Agency, certifies that this facility has been considered for joint-use potential. Mission requirements, operational considerations, and location are incompatible with use by other components							

# 12. Supplemental Data:

A.	Estimated	Design	Data:
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1.	Status:

- (c) Percent Completed as of January 2003......35
- (d) Date 35 Percent Completed......07/02
- (e) Date Design Complete......10/03
- (f) Type of Design Contract......Design/Bid/Build

#### 2. Basis:

- (a) Standard or Definitive Design: YES
- (b) Date Design was Most Recently Used:......07/02
- 3. Total Cost (c) = (a)+(b) or (d)+(e) (\$000)
  - (a) Production of Plans and Specifications......300
  - (b) All Other Design Costs......200
  - (c) Total......500

- 6. Construction Completion......05/05
- A. Equipment associated with this project that will be provided from other appropriations:

  None